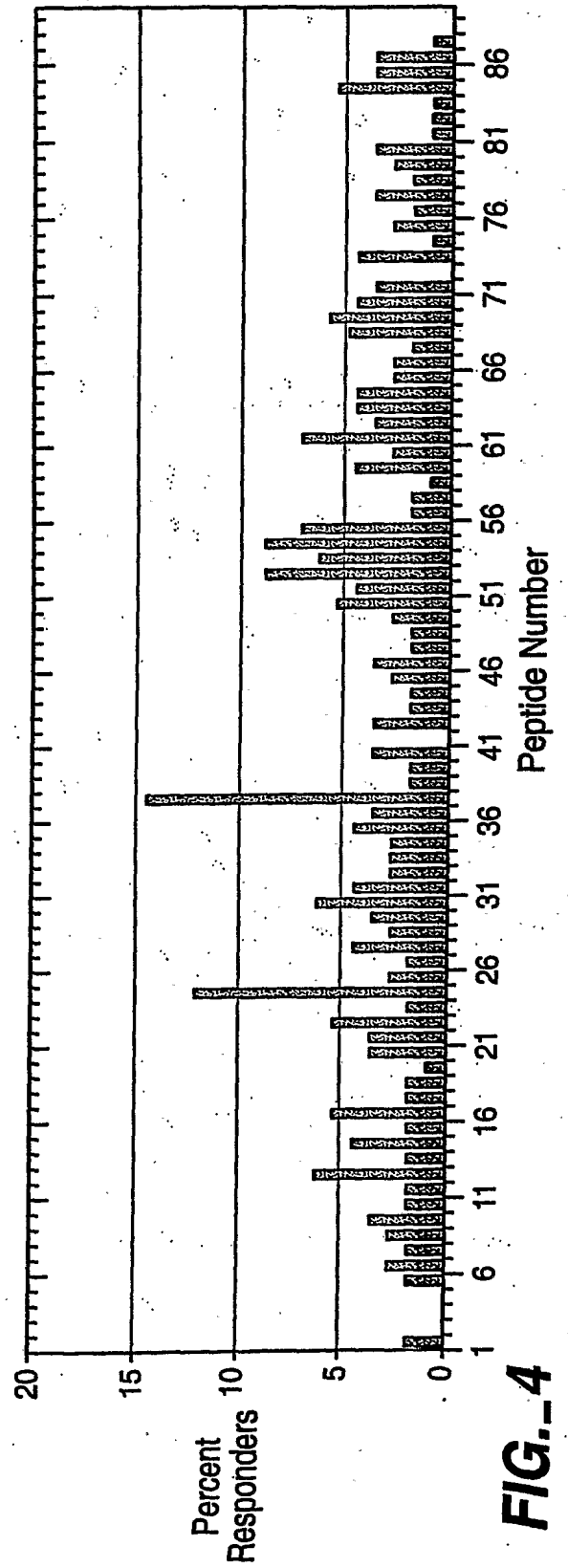
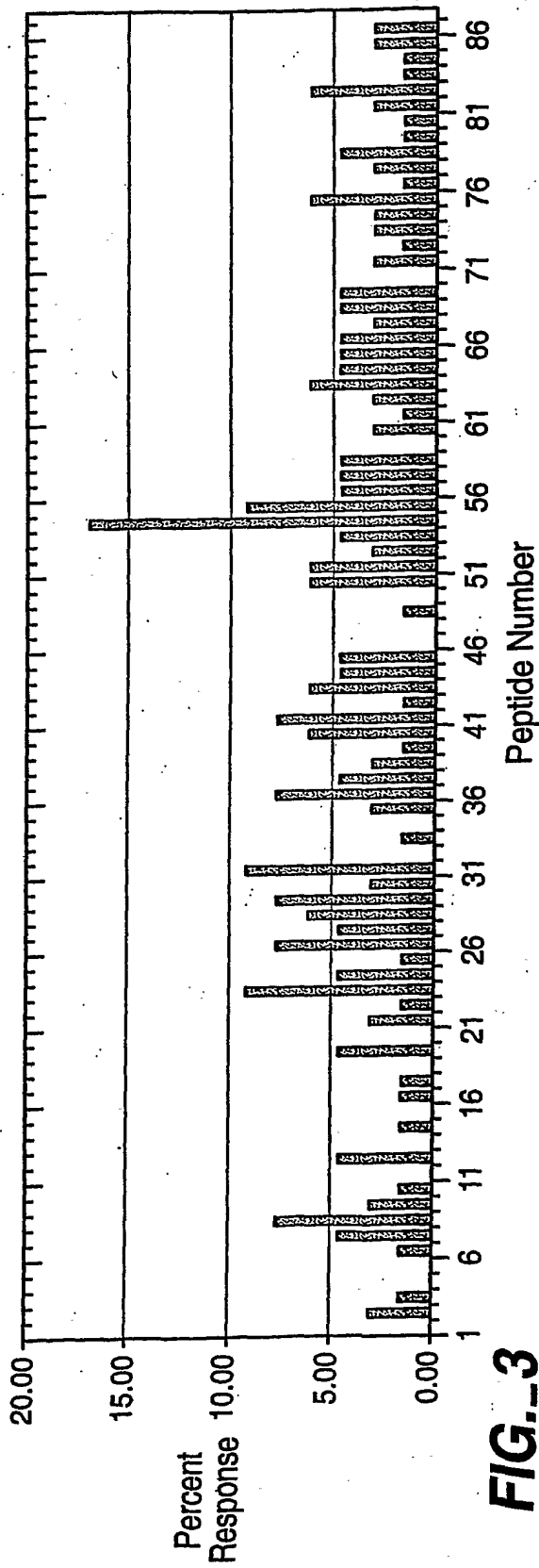
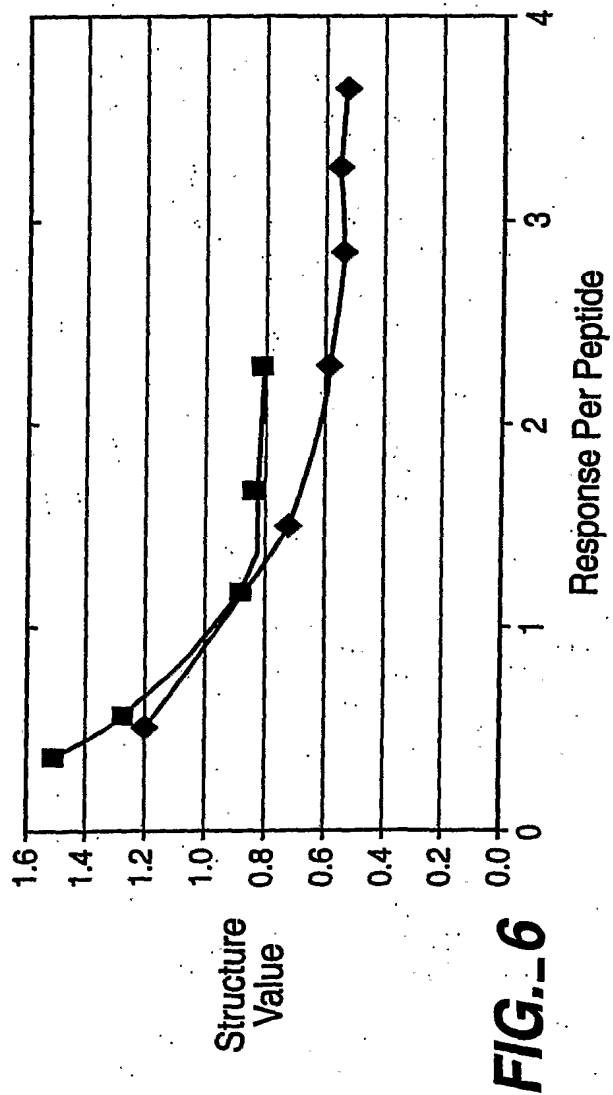
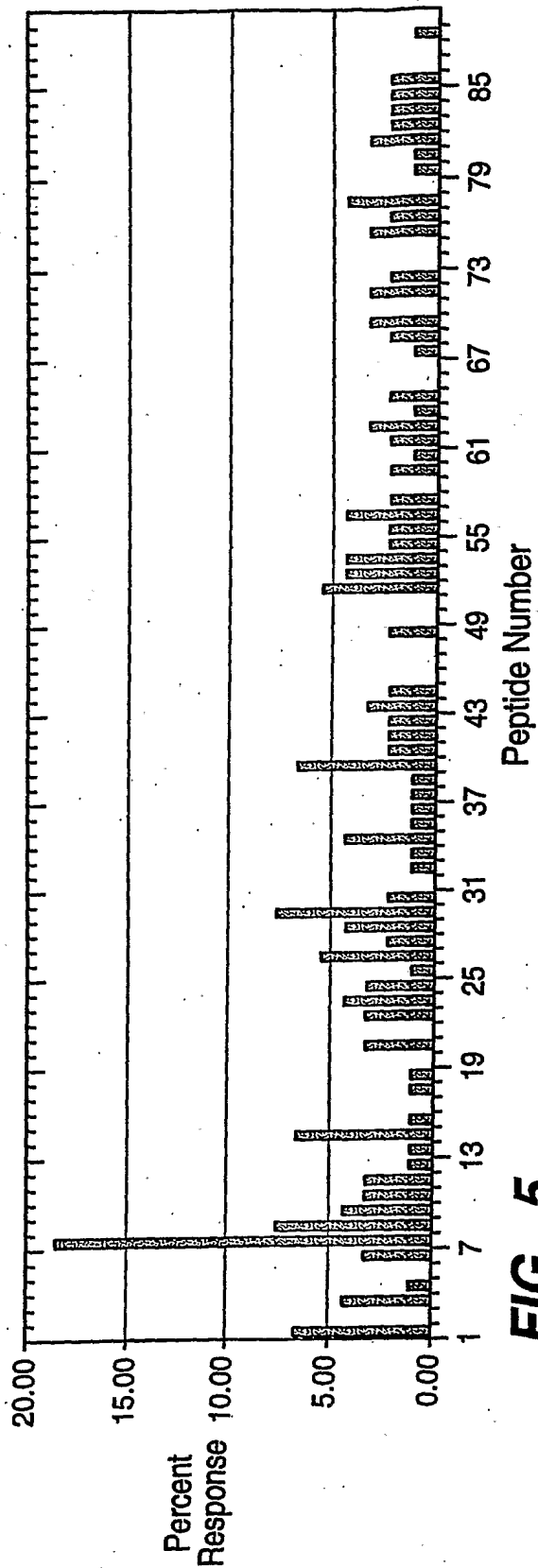


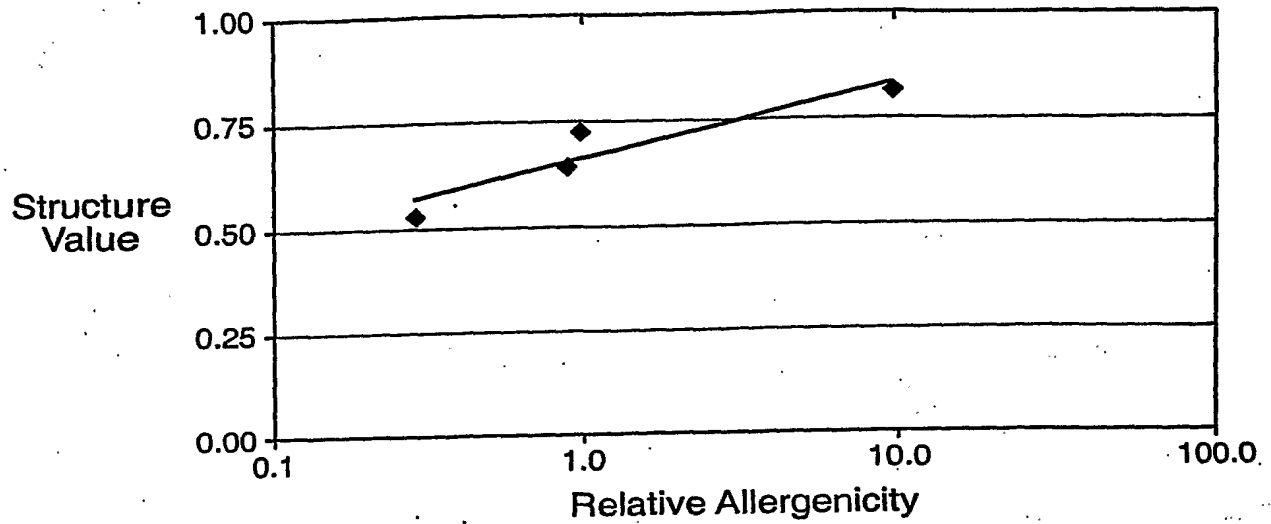
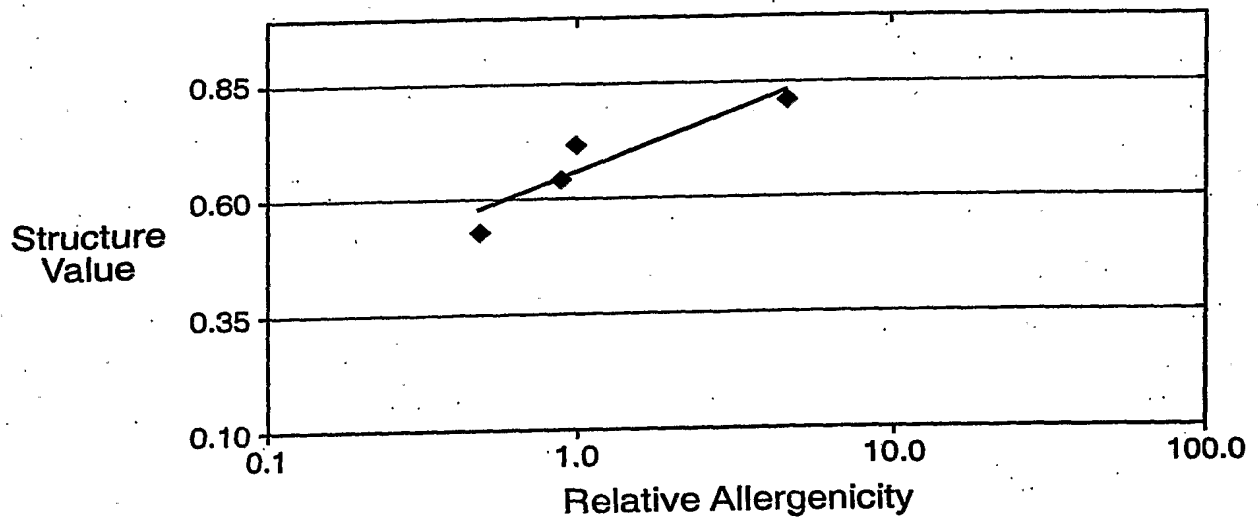
2/28



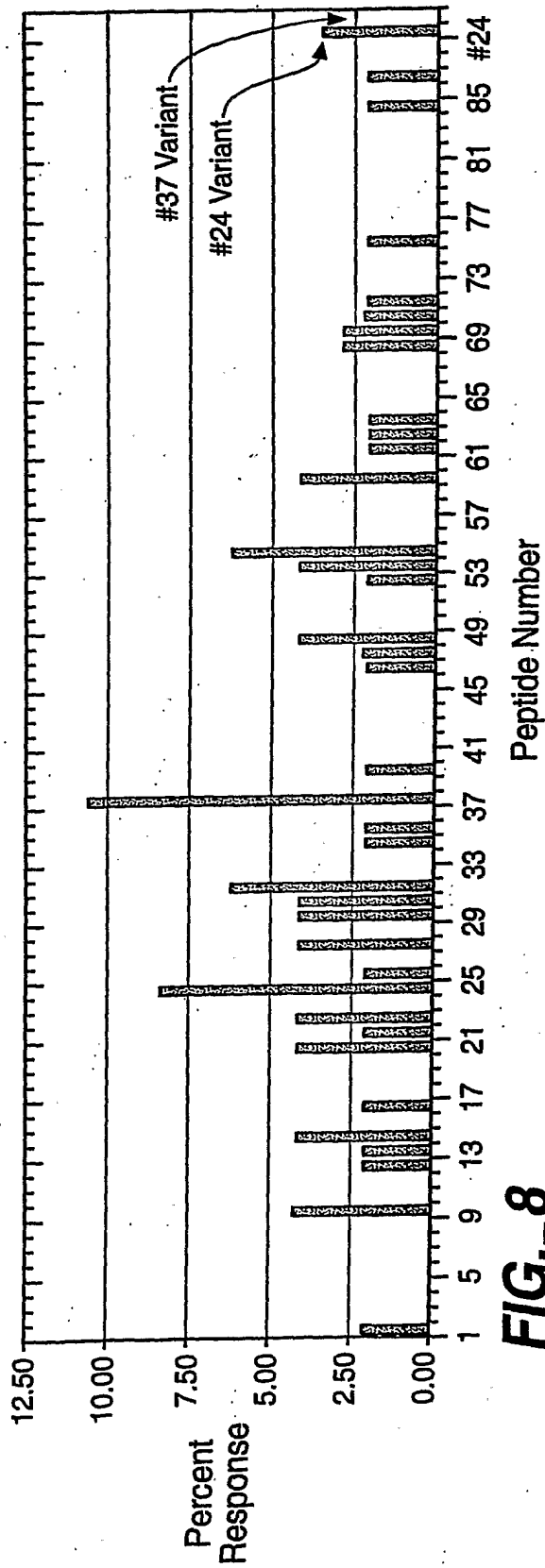
3/28



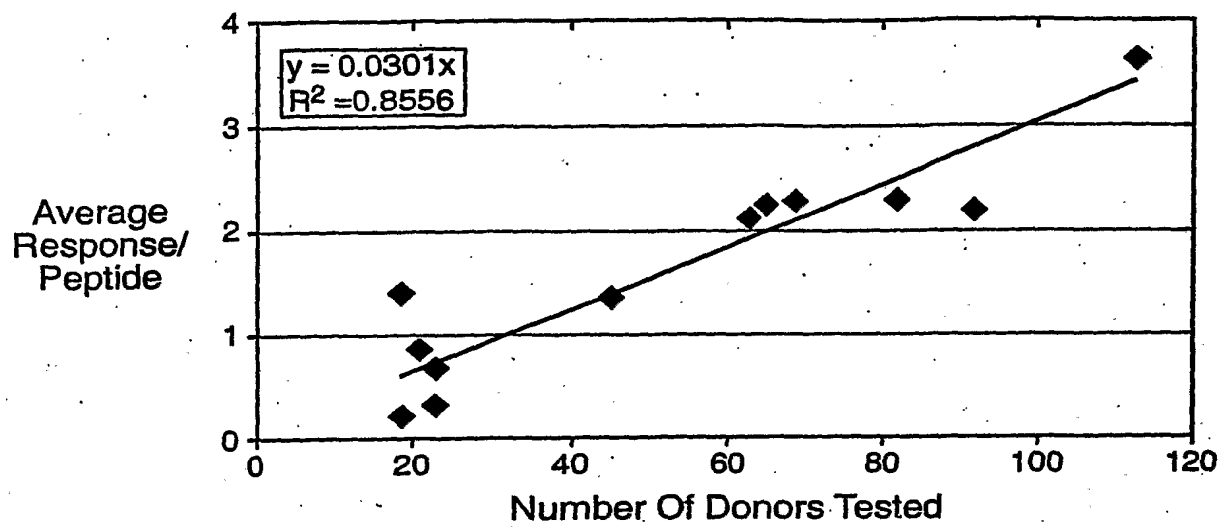
4/28

**FIG. 7A****FIG. 7B**

5/28



6/28

**FIG. 10**

7/28

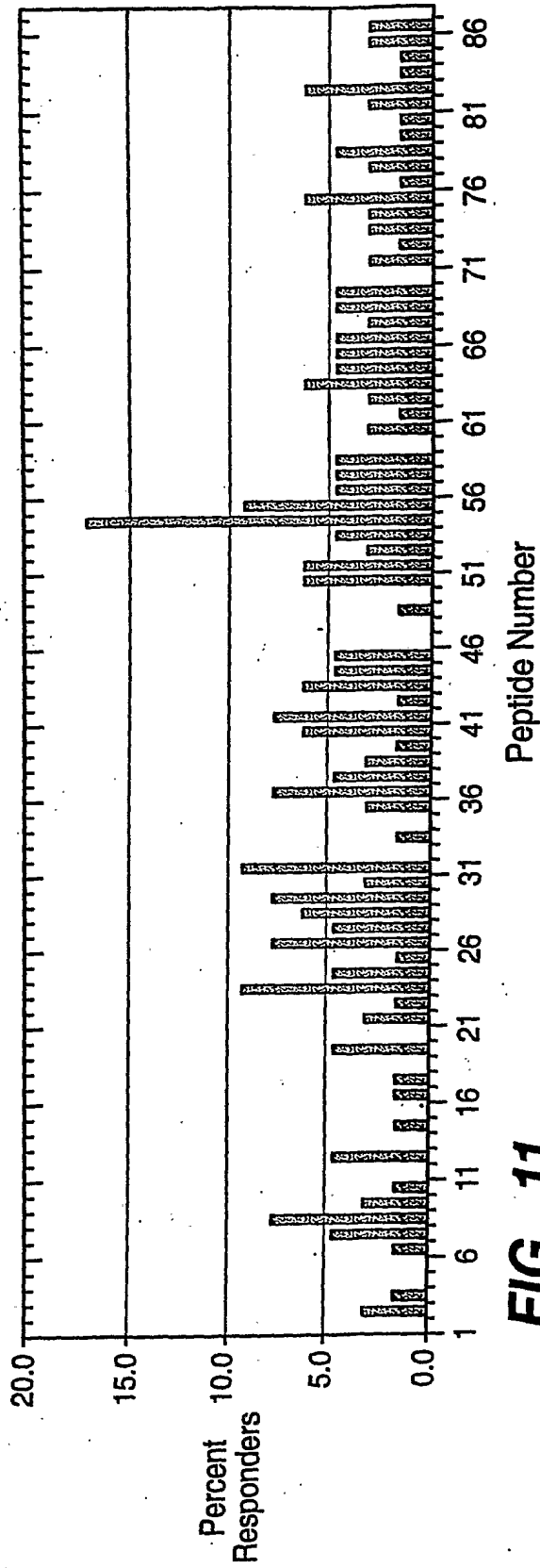


FIG. 11

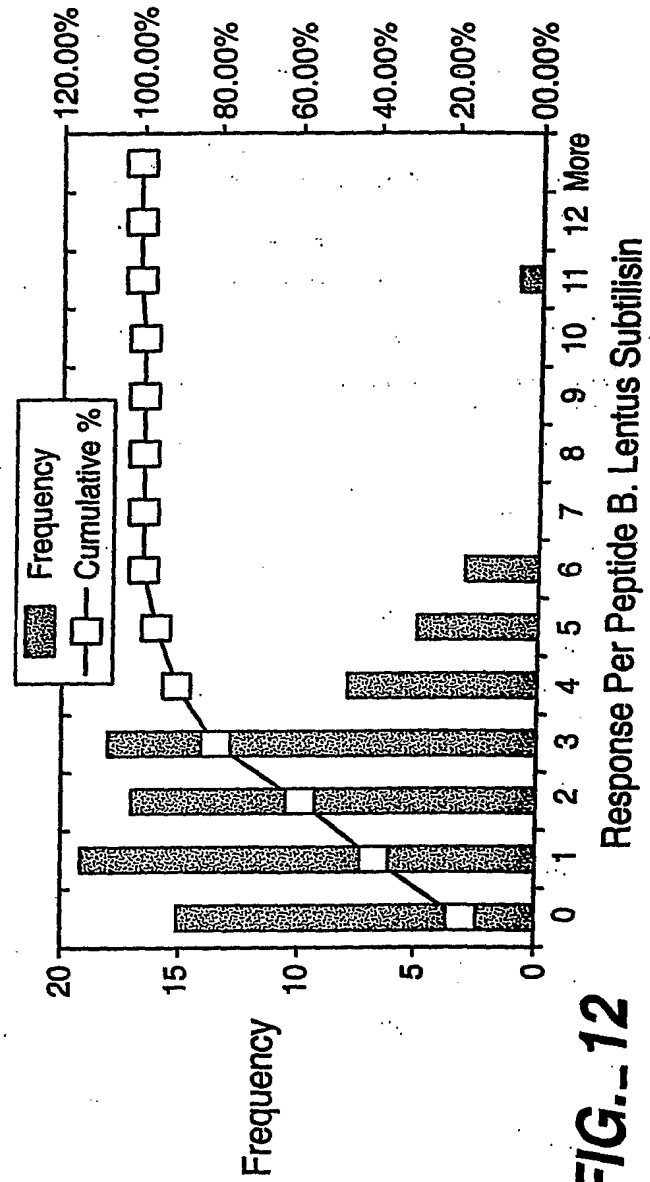
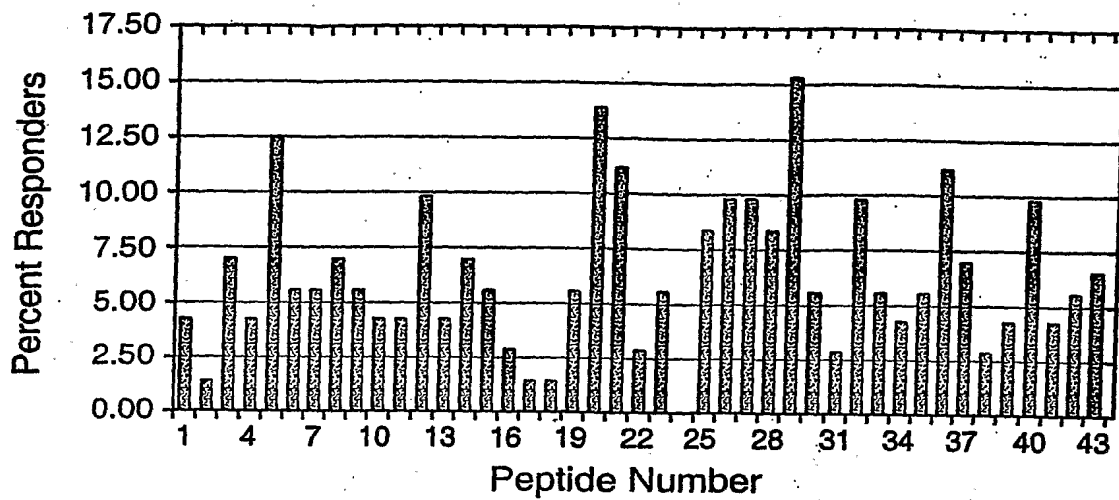
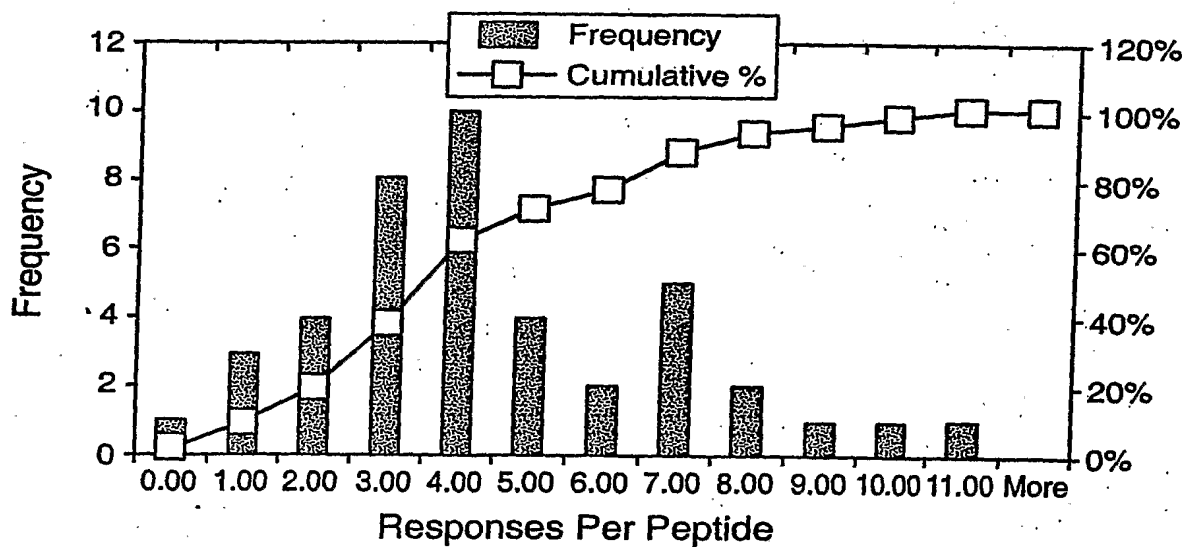
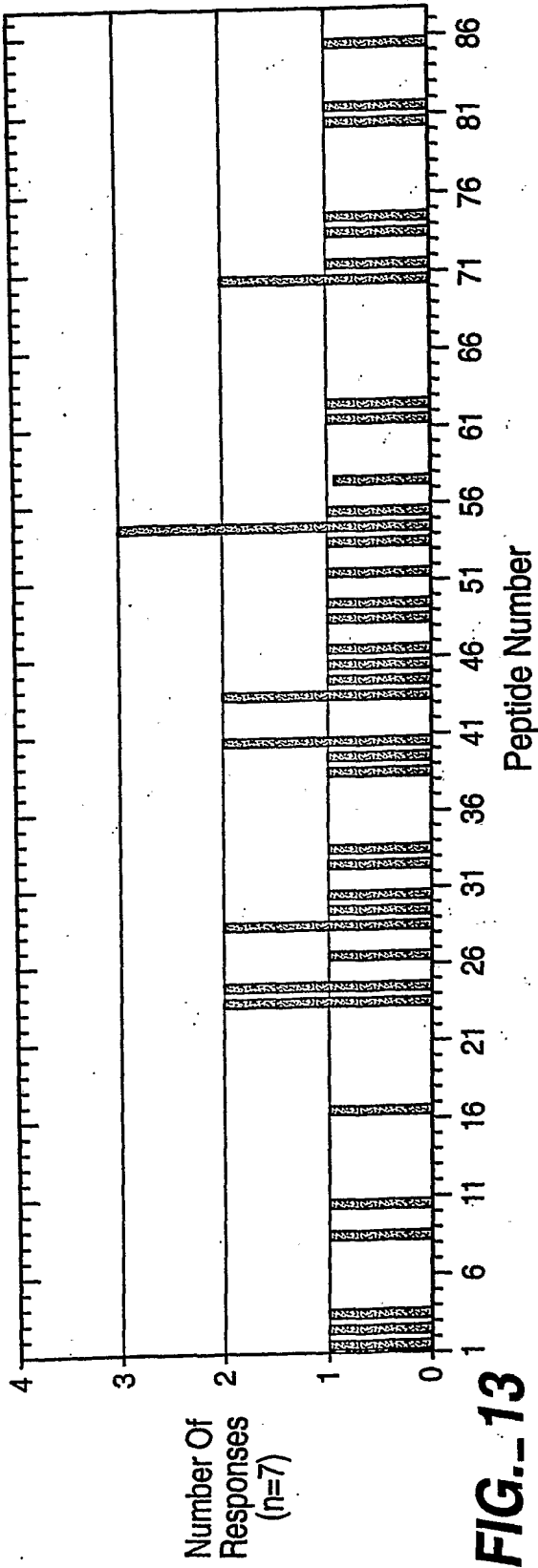


FIG. 12

8/28

**FIG. 14A****FIG. 14B**

9/28



Immune® HLA Associations		Warmerdam, et al (2002)*	
Staphylokinase Peptide	HLA Association	HLA Increased	HLA Decreased
5		DQ2	D1
20	DR2 (15)	DQ6	F2
21		DR6 (13)	C3
29	DR5 (11)		n.f.#
36		DR3	D4
n.f.#			A5

Peptide Number

Number Of Responses (n=7)

Peptide

HLA Association

HLA Increased

HLA Decreased

Warmerdam, et al (2002)* Region

56% vs 27%, p < 0.08

70% vs 40%, p < 0.08

50% vs 23% p < 0.11

37% vs 14%, p < 0.09

0% vs 23%, p < 0.09

DR3, 7, 2

Dr1, 4

DR2, 3, 4, 6, 7, 8

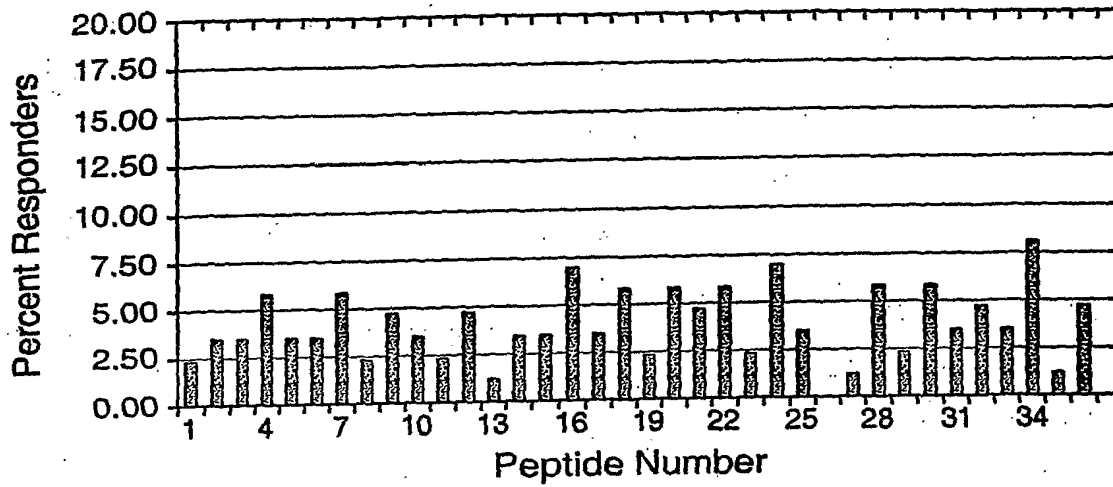
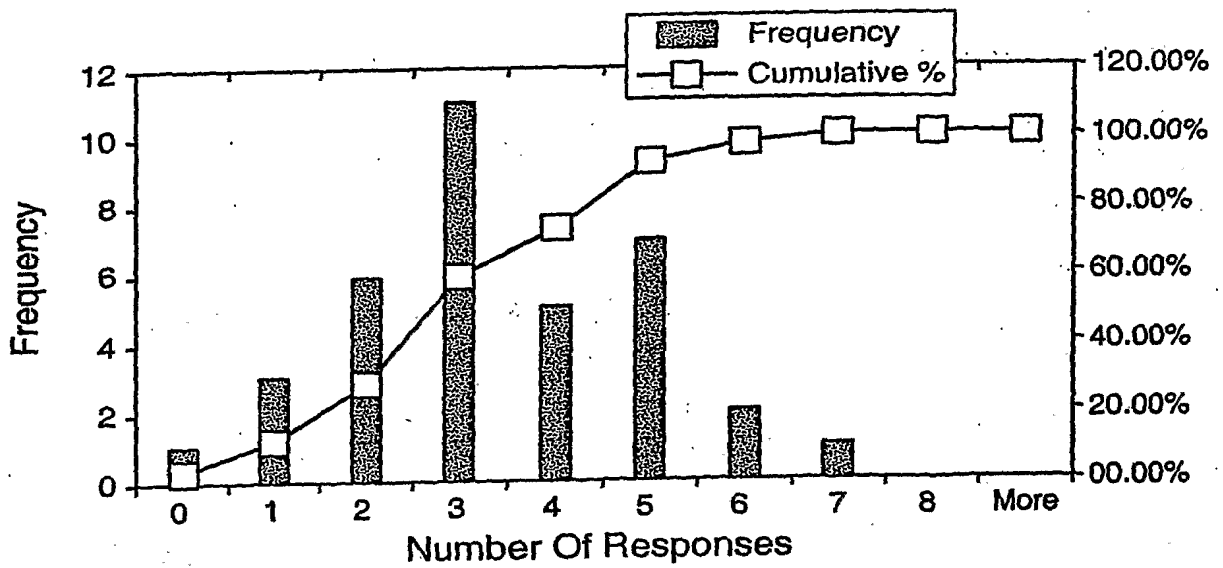
n.f.#

DR3, 6

DR2, 5, 6, 8

FIG. 15

10/28

**FIG._16A****FIG._16B**

11/28

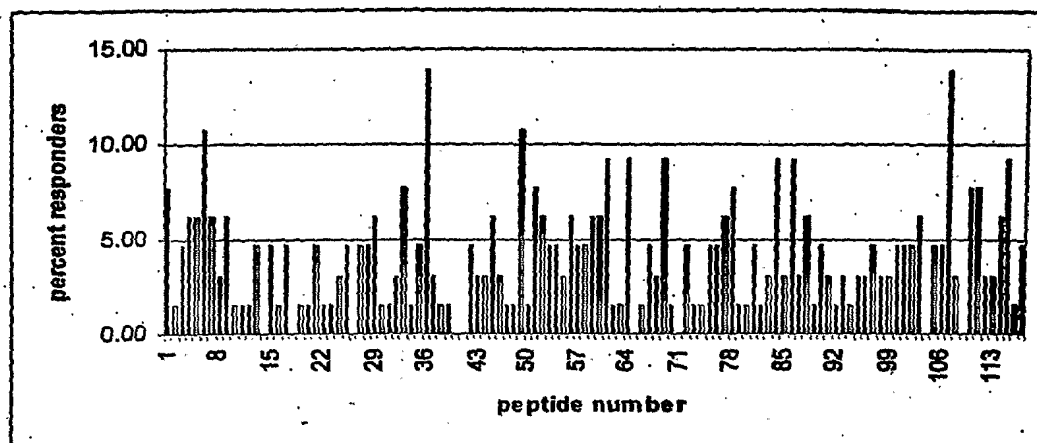
nM IC₅₀ For Binding To Purified HLA

Protein	DRB1									
	*0101 (DR1)	*0301 (DR3w17)	*0401 (DR4w4)	*0404 (DR4w14)	*0405 (DR4w15)	*0701 (DR7)	*0802 (DR8w2)	*0901 (DR9)	*1101 (DR5w11)	*1201 (DR5w12)
BPN ^Y 217L.70	6.5	8737	33	5.7	166	154	1711	46	2382	80
BPN ^Y 217L.109	8.8	-	30	166	37	58	2192	43	3019	1235
B. lentus 157	1065	16,433	4794	7575	6784	724	>16,333	1484	-	-
B. lentus .160	13	-	142	5542	1348	138	2033	164	5554	-

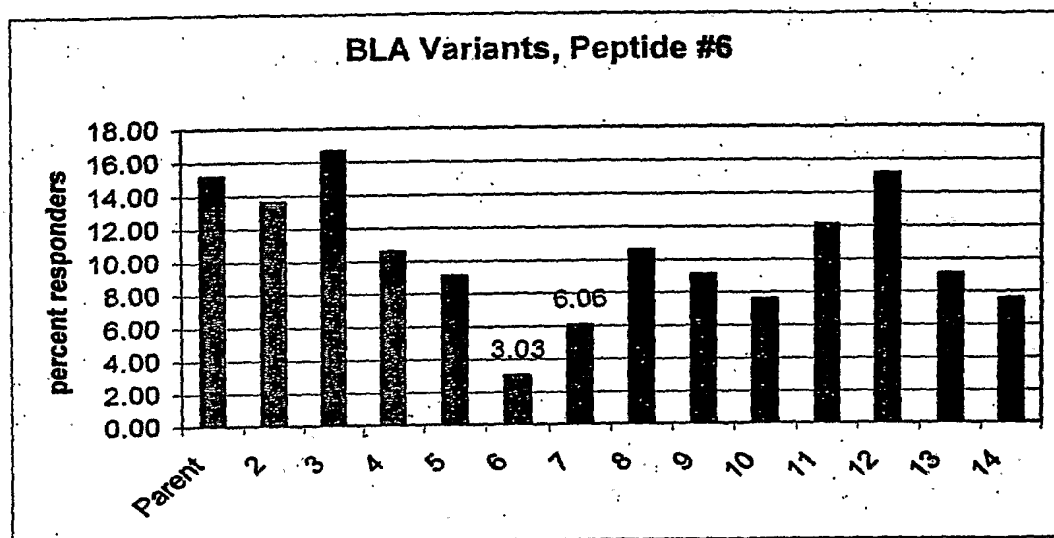
DRB1		DRB3/4/5			DQ			Degeneracy
	*1501 (DR2w2β1)	*DRB3*0101 (DR52a)	*DRB4*0101 (DRw53)	*DRB5*0101 (DR2w2β2)	DQA1*0501/ DQB1*0201 (DQ2)	DQA1*0301/ DQB1*0301 (DQ3.1)	DQA1*0301/ DQB1*0302 (DQ3.2)	n/18
*1302 (DR6w19)								
0.69	21	2010	31	15,689	670	440	2069	12
9.8	683	119	1071	1024	97	2182	80	11
2009	865	>9434	>9667	--	6157	6009	5009	2
559	127	6157	8257	1726	1296	63	1046	7

FIG. 17

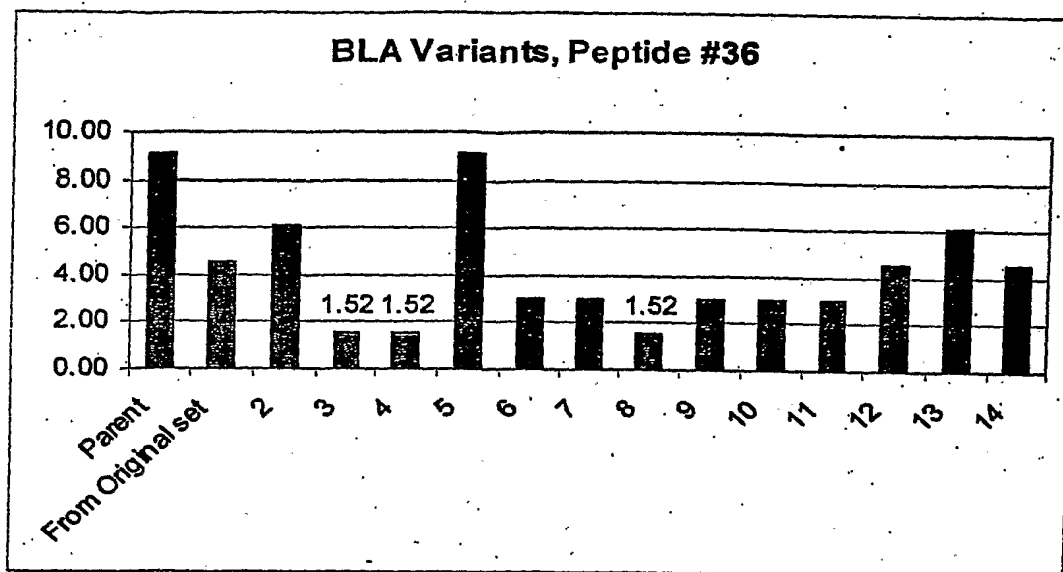
12/28

FIGURE 18.

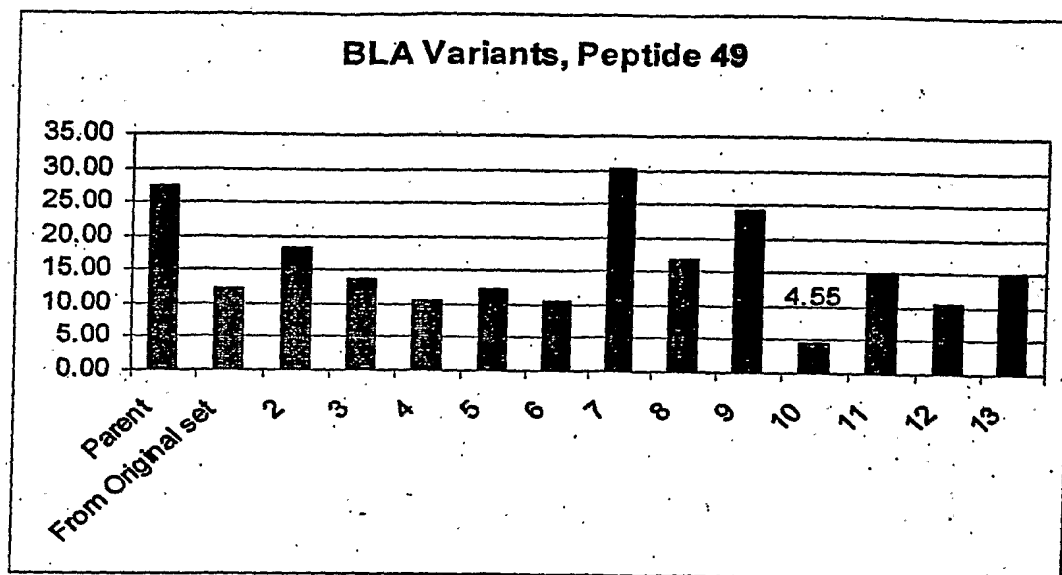
13/28

FIGURE 19.

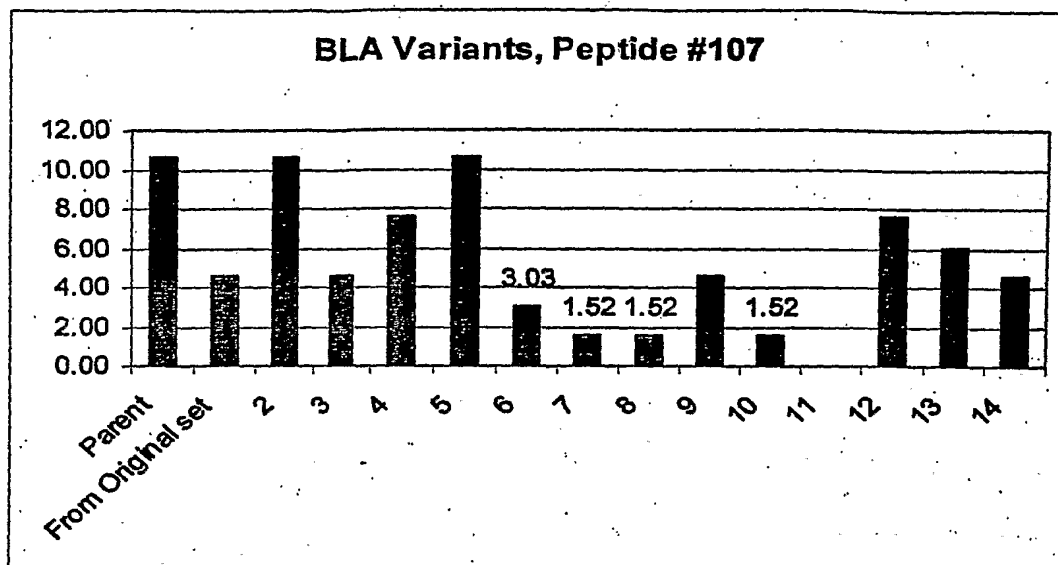
14/28

FIGURE 20.

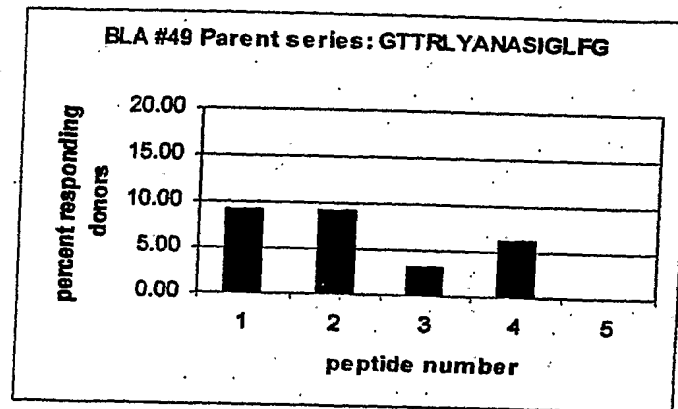
15/28

FIGURE 21.

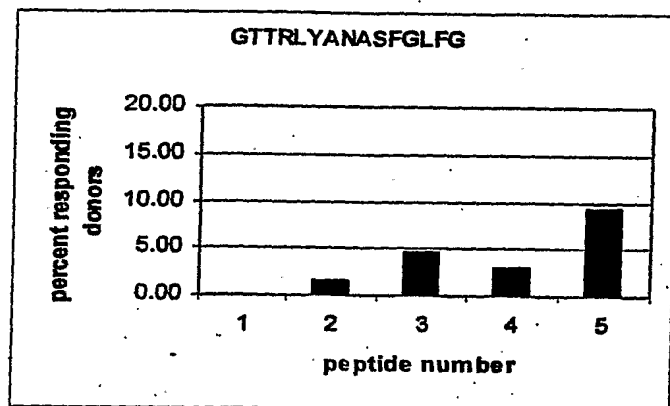
16/28

FIGURE 22.

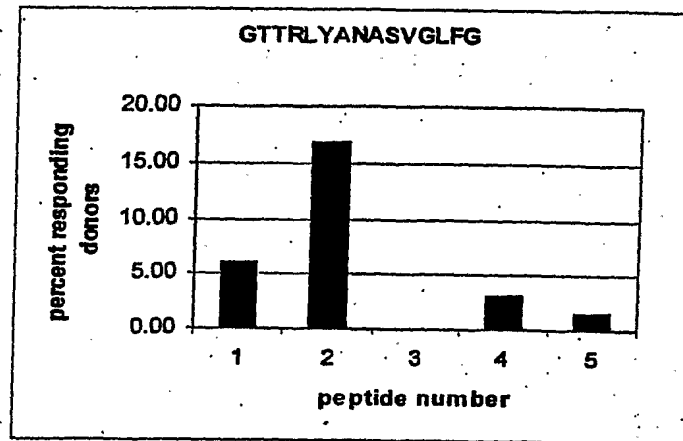
17/28

FIGURE 23.

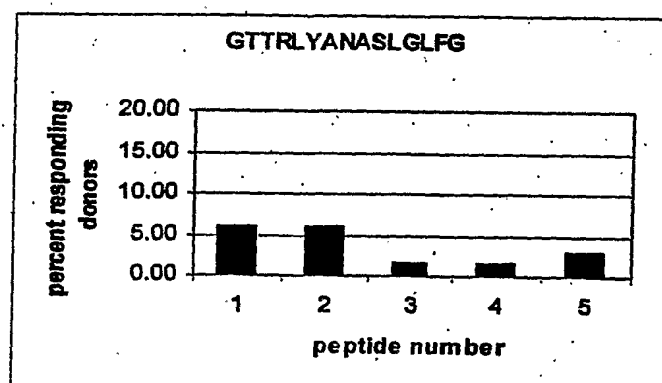
18/28

FIGURE 24.

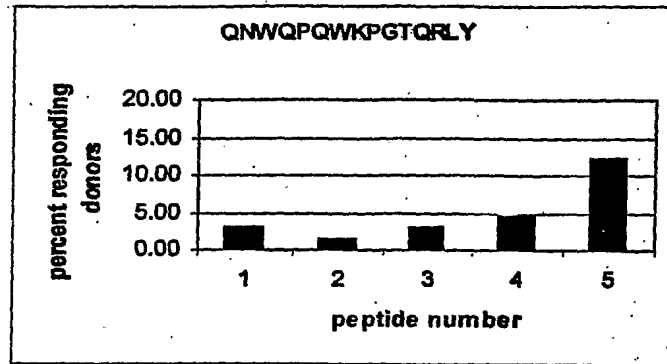
19/28

FIGURE 25.

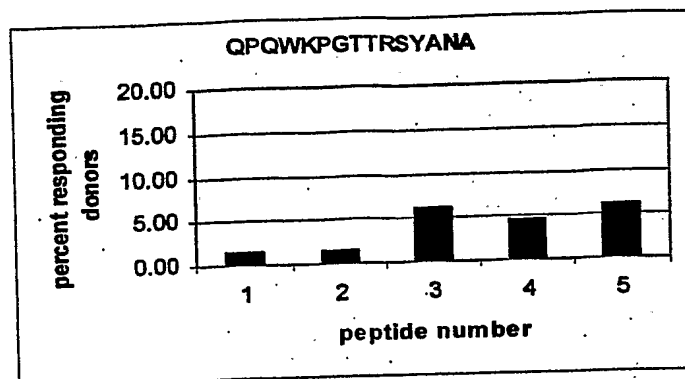
20/28

FIGURE 26.

21/28

FIGURE 27.

22/28

FIGURE 28.

23/28

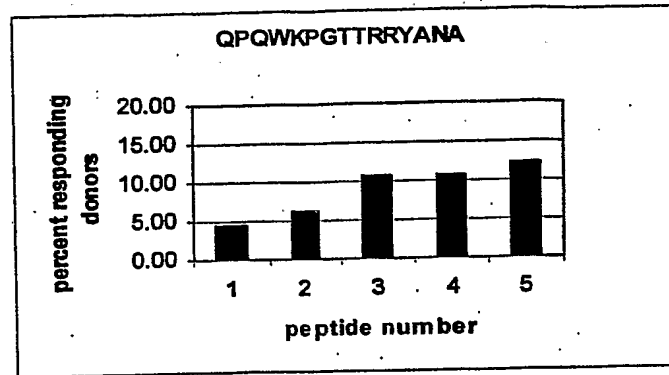
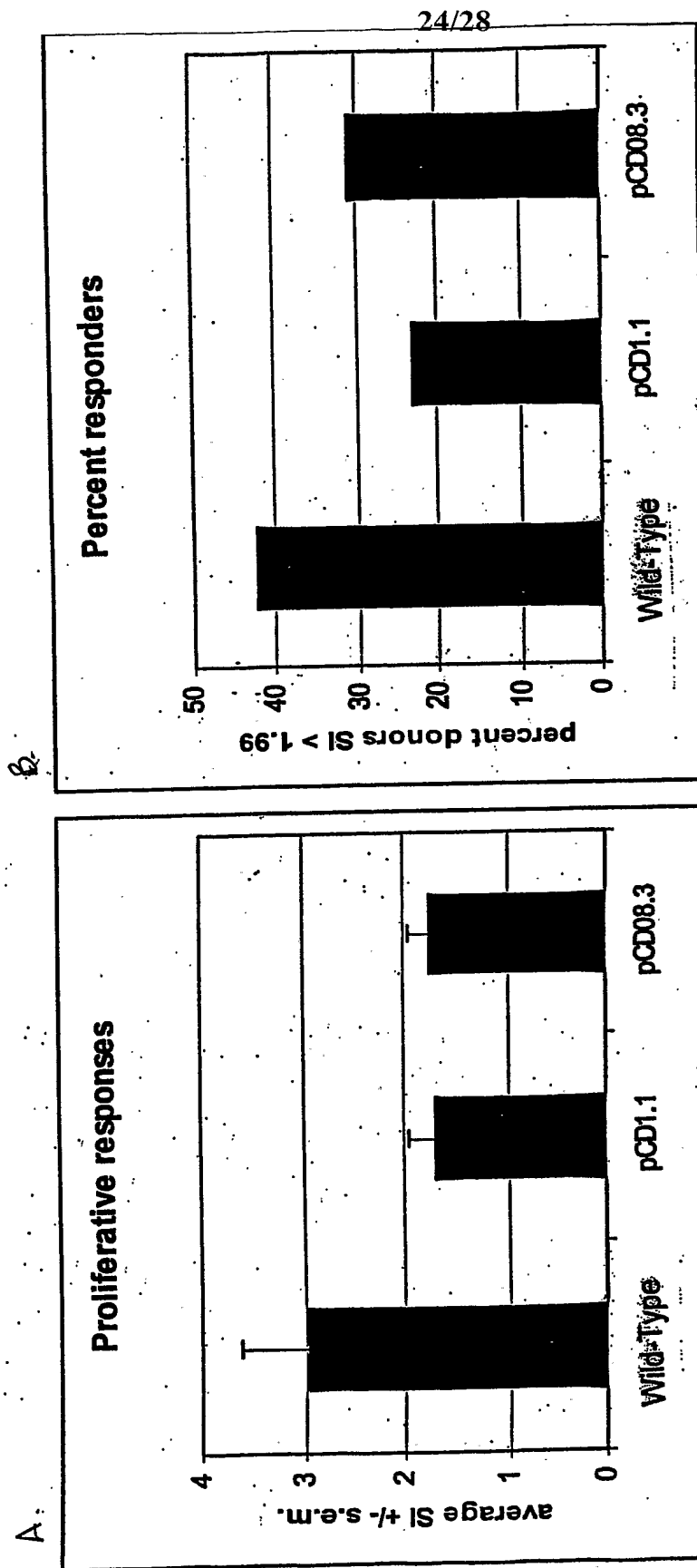
FIGURE 29.

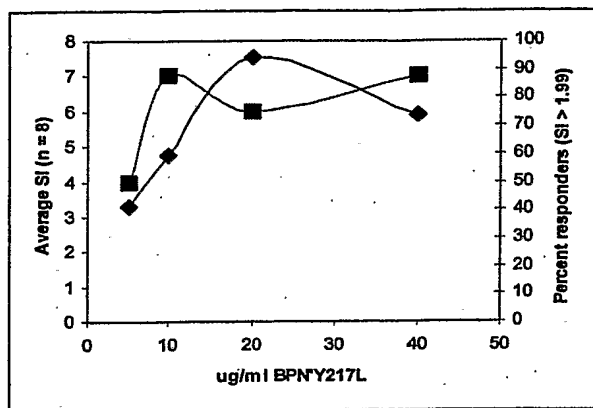
FIGURE 30.



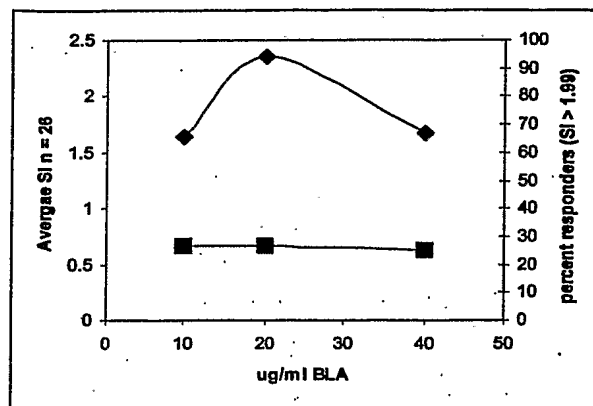
25/28

FIGURE 31.

PANEL A.

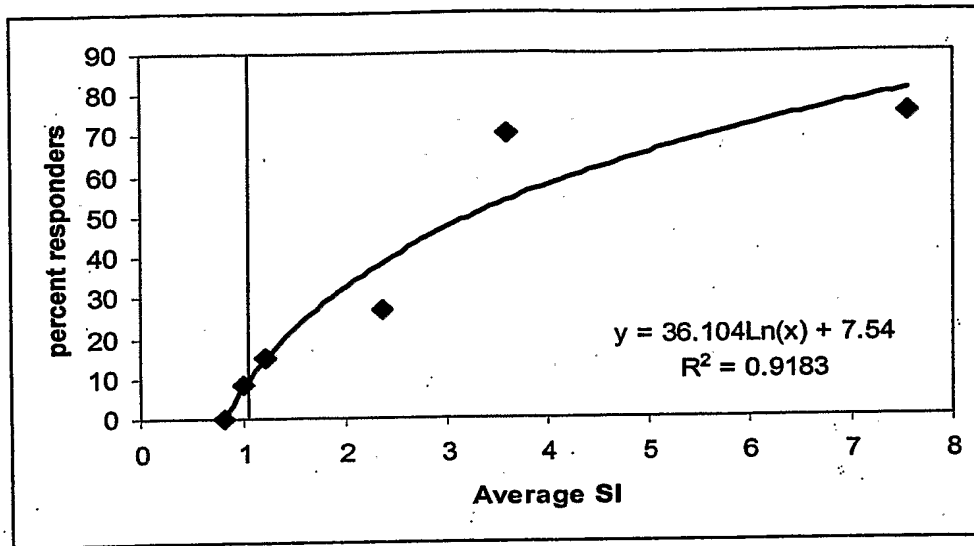


PANEL B.

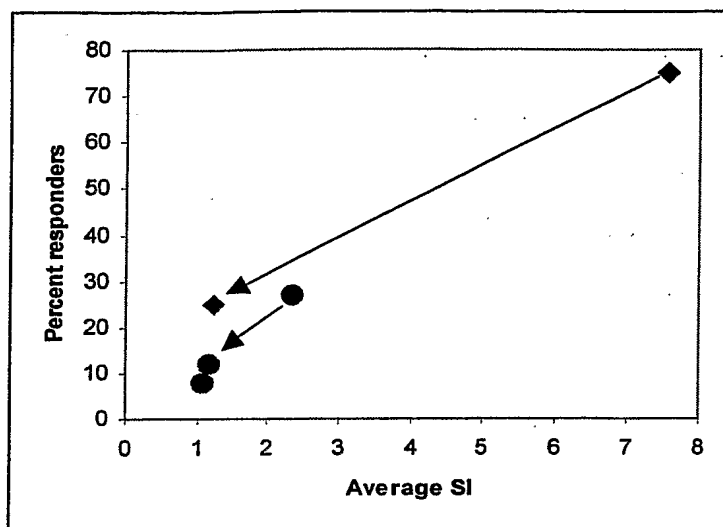


26/28

FIGURE 32.



27/28

FIGURE 33.

28/28

FIGURE 34.